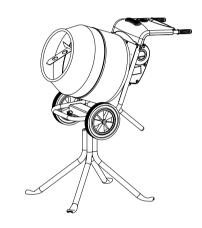




**(GB)** Operators Manual



# **MINIMIX 150**



- Spare Parts Book

14

## EC DECLARATION OF CONFORMITY / DECLARATION CE DE CONFORMITE / DECLARACIÓN DE CONFORMIDAD CE / DECLARAÇÃO CE DE CONFORMIDADE / EG-VERKLARING VAN OVEREENSTEMMING / EF OVERENSSTEMMELSESERKLÆRING

We, Belle Group Sheen UK, Sheen, Nr. Buxton, Derbyhire, SK17 0EU, GB, hereby certify that if the product described within this certificate is bought from an authorised Belle Group dealer within the EEC, it conforms to the following EEC directives: 98/37/EC (This directive is a consolidation of the original machinery directive 89/392/EEC), Electromagnetic Compatibility Directive 89/336/EEC (as amended by 92/31/EEC & 93/68 EEC). The low voltage directive 73/23/EEC, BS EN ISO 12100-12:2003 Safety of machinery and associated harmonised standards, where applicable. Noise emissions conform to directive 2000/14/EC Annex VI, for machines under article 12 the notified body is AV Technology Limited, AVTECH houe, Birdhall Lane, Cheadle Heath, Stockport, Chehire, SK3 0XU, GB. Noise Technical Files are held at the Belle Group Head Office address which is stated above.

Nous soussignés, Belle Group Sheen UK, Sheen, Nr Buxton, Derbyhire, SK17 0EU, GB, certifions que si le produit décrit dans ce certificat est acheté chez un distributeur autorisé Belle Group au sein de la CEE, il est conforme aux normes CEE ci-après: 98/37/CE (Cette norme est une codification des normes de la machine d'origine 89/39/CEE), Norme compatible pour l'électromagnisme 89/36/CEE (modifié par 92/31/CEE). Caractéristiques basse tension 73/23/CEE, BS EN ISO 12100-1:2003, Norme de sécurité des machines et des critères associés et configurés, si applicable. Les émissions de bruit sont conformes à la directive 2000/14/EC Annexe VI pour machines , article 12, l'objet mentionné est AV Technology Limited, AVTECH Houe, Birhall Lane, Cheadle Heath, Stockport, Chehire, SK4 0XU, GB.

Les dossiers techniques sur les émissions sonores des machines sont détenus au siège social de BELLE GROUP à l'adresse ci-dessus.

La Sociedad, Belle Group Sheen UK, Sheen, Nr. Buxton, Derbyhire, SK 17 OEU, GB, por el presente documento certifica que si el producto descrito en este certificado es comprado a un distribuidor autorizado de Belle Group en la CEE, este es conforme a las siguientes directivas 98/37/CE de la CEE (Esta directiva consolida la directiva inicial sobre maquimaria 89/39/CEEE, Directiva 89/336 CEE sobre Compatibilidad Electromagnética (según enmiendas 92/37/CEE y 93/68 CEE), Directiva sobre Bajo Voltaje 73/23/CEE, BS EN ISO 12/100-1:2003 de Seguridad de Maquinaria y Niveles armonizados estándares asociados donde sean aplicables. Emisión de Ruídos conforme a la Directiva 2000/14/CE Anexo VI para máquinas bajo artículo 12 la mencionada unidad está AV Technology Limited, AVTECH Houe, Birdhall Lane, Cheadle Heath, Stockport, Chehire, SK3 OXU, GB.

En La Sede Central de Belle Group existen Archivos Técnicos con contenido referente a Niveles de Ruido.

O signatário, Belle Group Sheen UK, Sheen, Nr Buxton, Derbyhire, SK 0EU, GB, pelo presente, declara que se o produto descrito neste certificado foi adquirido a um distribuidor autorizado do Belle Group em qualquer país da UE, está em conformidade com o estabelecido nas seguintes directivas comunitárias: 98/37/EC (esta directiva é uma consolidação da directiva de maquinaria original 89/39/27/EC), Directiva de Compatibilidade Electromagnética 89/36/EC (conforme corrigido pelas 92/31/EEC & 93/68 EEC). A directiva de baixa voltagem 73/23/EEC, BS EN ISO 12100-1:2003 Segurança da maquinaria e às normas harmonizadas afins se aplicáveis. As emissões de ruido respeitam e estão dentro das directivas para máquinas 2000/14/EC Anexo VI, artigo 12, sendo o organismo notificado AV Technology Limited, AVTECH houe, Birdhall Lane, Cheadle Heath, Stockport, Chebirre, K\$3 0XU, GB.

A informação técnica sobre níveis sonoros está disponivel na Sede da Belle Group na morada acima mencionada.

Ondergetekende, Belle Group Sheen UK, Sheen, Nr. Buxton, Derbyhire, SK17 OEU, GB, verklaren hierbij dat als het product zoals beschreven in dit certificaat is gekocht van een erkende Belle Group dealer binnen de EEG, het voldoet aan de volgende EEG richtlijnen: 98/37/EC (Deze richtlijn is een opvolger van de orgineie Machinerichtlijn 89/39/EEG), Electromagnetische Compatability Richtlijn 89/39/EEG (geamenderd door 92/31/EEG & 93/68 EEG). De Laagspannings Richtlijn 72/23/EEG, BS EN ISO 12/100-1:2003 Veiligheid van Machines en hieraan gekoppelde geharmoniseerde Standaarden, waar deze van toepassing is. Rumoer emissions passen voor richtlijn EC Zijgebouw VI , voor toestel onder stuk 12 naar de notified troep zit AV Technology Limited, AVTECH houe, Birdhall Lane, Cheadle Heath, Stockport, Chehire, SK3 OXU, GB

Worden de Technische Dossiers van het lawaai gehouden op het adres van het Hoofdkantoor van de Groep Belle dat hierboven ' wordt verklaard.

Vi, Belle Group Sheen UK, Sheen, Nr. Buxton, Derbyhire, SK17 0EU, GB, erklærer hermed, at hvis det i dette certifikat beskrevne produkt er købt hos en autoriseret Belle Group forhandler i EU, er det i overensstemmelse med følgende EØF-direktiver: 98/37/EF, 73/23/EØF (som ændret ved 93/68/EØF), 89/33/6/EØF (som ændret ved 93/68/EØF), 89/33/6/EØF, 89/33/6/EF, 89/33/

De tekniske støjspecifikationer forefindes på Belle Group's hovedkontor, adressen er skrevet ovenfor.

PRODUCT TYPE	TYPE DE PRODUIT	TIPO DE PRODUCTO	TIPO DE PRODUCTO
MODEL	MODELE	MODELO	MODELO
SERIAL No	N° DE SERIE	N° DE SERIE	NO. DE SÉRIE
DATE OF MANUFACTURE.	DATE DE FABRICATION	FECHA DE FABRICACIÓN	DATA DE FABRIC
SOUND POWER LEVEL MEASURED(GUARANTEED)	NIVEAU DE PUISSANCE SONORE MESUREE (GARANTIE)	NIVEL DE POTENCIA ACÚSTICA MEDIDO (GARANTIZADO)	NIVEL DE POTÊNCIA DE SOM MEDIDO (GARANTIDO)
WEIGHT	POIDS	PESO	PESO
,	,	,	,

Signed by: Signature: Medido por: Assinado por:

Assinado por: Getekend door: Uunderskrevetaf: Managing Director - On behalf of BELLE GROUP (SHEEN) UK.

Le Directeur Général - Pour le compte de la SOCIETE BELLE GROUP (SHEEN) UK.

Director Gerente - En nombre de BELLE GROUP (SHEEN) UK.

Director-Geral - Em nome de BELLE GROUP (SHEEN) UK.

Algemeen Directeur - Namens BELLE GROUP (SHEEN) UK. Administrerende direktør – På vegne af BELLE GROUP (SHEEN) UK. Wir, Belle Group Sheen UK, Sheen, Nr. Buxton, Derbyhire, SK17 0EU, Großbritannien , bestätigen hiermit, dass das in diesem Zertifikat beschriebene Produkt, wenn es von einem autorisierten Belle Group Händler innerhalb der europäischen Gemeinschaft gekauft wurde, folgenden EG-Richtlinien entspricht: 98/37/EG, 73/23/EG (geändert durch 93/68/EG), 89/336/EG (geändert durch 92/31/EG), 93/68/EG und, wenn zutreffend, den harmonisierten Normen. Geräuschemissionen entsprechen der Richtlinie 2000/14/EG, Anhang VI, für Maschinen unter Artikel 12: die benannte Stelle ist AV Technology Limited, AVTECH Houe, Birdhall Lane, Cheadle Heath, Stockport, Chehire, SK3 0XU, GB.

Geräuschtechnische Dokumente stehen in unserer Zentrale unter obig angegebener Adresse zur Verfügung.

Il Gruppo Belle Sheen UK, Sheen, Nr. Buxton, Derbyhire, SK17 0EU, GB, certifica che il prodotto descritto nel presente certificato è acquistato da un concessionario autorizzato del gruppo Belle nell'ambito CEE e che è pienamente conforme alle seguenti direttive CEE: 98/37/EC, 73/23/EEC (emendamento 93/68/CEE), 89/336/EEC (emendamento 92/31/CEE), 93/68/CEE e relativi standard armonizzati. Livelli acustici sono in conformità con la direttiva 2000/14/EC Annex VI per macchine coperte dall' articolo 12. L'ente di riferimento è AV Technology Limited, AVTECH houe, Birdhall Lane, Cheadle Heath, Stockport, Chehire, SK3 0XU, GB. Dati tecnici relativi ai livelli acustici sono disponibili su richiesta dalla sede madre Belle Group al sopra citato indirizzo.

Undertecknade, Belle Group Sheen UK, Sheen, Nr Buxton, Derbyhire, SK17 0EU, Storbritannien , intygar härmed att en produkt beskriven i detta certifikat som köps från en godkänd Belle Group återförsäljare inom EU stämmer överens med följande EG-direktiv: 98/37/EG, 73/23/EG (ändrat genom 93/68/EEC), 89/336/EG (ändrat genom 92/31/EG), 93/68/EG och tillhörande harmoniserade standarder i tillämpliga fall. Buller nivån överensstämmer med Direktiv 2000/14/EC Bilaga VI gällande maskiner under artikel 12, den aviserade organisationen är AV Technology Limited, AVTECH houe, Birdhall Lane, Cheadle Heath, Stockport, Chehire, SK3 0XU, Storbritannian

Teknisk dokumentation vad gäller test av maskiners liud/bullernivå finns dokumenterad hos Belle-Groups huvudkontor i Sheen. England

Vi, Belle Group Sheen UK, Sheen, Nr Buxton, Derbyhire, SK17 0EU, GB, bekrefter med dette at det produktet som står beskrevet i denne erklæringen er kjøpt fra en autorisert Belle Group forhandler innen EØF, og at det oppfyller følgende direktiver: 98/37/CE dette direktivet er et sammendrag av det opprinnelige maskindirektivet 89/392/EØF), Det elektromagnetisk kompatabiltets-direktivet 89/336/EØF (som endret av 92/31/EØF og 93/68/EØF). Lavspenningsdirektivet 73/23/EØF, BS EN ISO 12100-1:2003, Sikkerhet til maskineri og tilhørende harmoniserte standarder, hvor atuelt. Støyemisjon er i samsvar med direktiv 2000/14/EC, vedlegg VI, for maskiner. Organet som skal informeres under artikkel 12 er AV Technology Limited, AVTECH Houe, Birhall Lane, Cheadle Heath, Stockport, Chehire, SK3 0XU, GB. Lydtekniske filer er arkivert hos Bell Group Hovedkontor med adresse som nevnt ovenfor.

Me, Belle Group Sheen UK, Sheen, Nr. Buxton, Derbyhire, SK17 0EU, GB, ilmoitamme täten, että jos tässä todistuksessa kuvattu tuote on ostettu valtuutetulta Belle Groupin myyjältä ETY:n alueella, se on yhdenmukainen seuraavien ETY-direktiivien kanssa: 98(37/EY (Tämä direktiivi on yhdistelmä alkuperäisestä konedirektiivistä 89/392/ETY, sähkömagneettisen yhteensopivuuden direktiivistä 89/336/ETY, korjauksineen 92/31/ETY jnnienF1F1

CEWICHT	PESO	VIKT	VEKT
SCHALLLEISTUNGSPEGEL GEMESSEN(GARANTIERT)	LIVELLO POTENZA SONORA MISURATA (GARANTITA)	LJUDSTYRKA UPPMÄTT (GARANTERAD)	LYDKRAFTNIVÅ MÅLT(GARANTERT)
HERSTELLUNGSDATU	DATA DI FABBRICAZIONE	TILLVERKNINGSDATUM	PRODUKSJONSDATO
SERIENNR	SERIE N°	SERIE NR	SERIE NR
MODELL	MODELLO	MODELL	MODELL
PRODUKTTYP	TIPO PRODOTTO	PRODUKTTYP	PRODUKTTYP

Unterzeichnet vo.

Firmato da

Undertecknat: Signatur:

Allekirjoitus: Podpisa3:

Generaldirektor - Im auftrag von BELLE GROUP (SHEEN) UK.

Amministratore Delegato - Per conto di BELLE GROUP (SHEEN) UK.

V.D. - På vägnar av BELLE GROUP (SHEEN) UK.

Managing Director - På vegne av SOCIETE BELLE GROUP (SHEEN) UK.

Toimitusjohtaja - BELLE GROUP (SHEEN) UK: n puolesta.

Dyrektor Zarządzający – w imieniu BELLE GROUP (SHEEN) UK



#### Introduction

Congratulations on your purchase of this quality concrete mixer from the Belle Group Range.

This machine is manufactured to conform to the EEC directives currently in force, is issued with a Declaration of Conformity and therefore displays the CE mark, applicable in territories where they are enforced. Retain this manual with your machine for future reference.

#### SAFETY AND ACCIDENT PREVENTION

#### Operation Intruction

All persons who apply, assemble, operate, start, control, maintain or repair this machine, must read and understand the operating instructions.

#### Owner Reponibility:

The owner must ensure that only qualified persons operate, maintain or repair this machine.

#### STORAGE

When not in use, store in a dry, locked place. Keep away from children.

#### Operation for the Intended Purpoe:

Mixers are intended for the production of concrete, mortar and plaster. The mixer must be used for its intended purposes and is not suitable for the mixing of flammable or explosive substances. The mixers must not be used in an explosive atmosphere.

#### MAINTENANCE AND REPAIRS

When maintaining this machine only the manufacturers original replacement parts may be used.

The user will lose any possible claims if replacement parts used are other than the makers original replacement parts.

Only authorised persons should repair the mixer, and within the requirements of the CE mark (where applicable), where no deviation to the original specification must take place.



CAUTION

Any maintenance and repairs carried out, to any of the electric components must be undertaken by a qualified electrician.



#### **WARNING**



WARNING

Before you operate or carry out any maintenance on this machine **YOU MUST READ** and **STUDY** this manual

KNOW how to safely use the unit's controls and what you must do for safe maintenance.

(Be sure that you know how to switch the machine off before you switch on, in case you get into difficulty.)

ALWAYS wear or use the proper safety items required for your personal protection.

If you have **ANY QUESTIONS** about the safe use or maintenance of this unit, ASK YOUR SUPERVISOR OR CONTACT THE BELLE GROUP +44 (0)1298 84606

GB	Content
Introduction	
Warning	4
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Functional Controls	6
Safety Instructions	
Warning Decals	8
Assembly Instructions	
Stand Assembly	9
Loading & Unloading	9 10 - 12
Service & Maintenance	
Mixing Hints	
Warranty	

Belle Group reserves the right to change machine specification without prior notice or obligation.

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## **Technical Data**



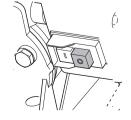
## **Functional Control**



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## Safety Intruction





## Stand Alembly





#### Service and Maintenance

Before tarting any maintenance or repair, witch off motor, and tolate from the main power upply.

On completion of maintenance, check that the mixer functions correctly and that all guards are correctly fitted.

#### FLECTRIC MIXER

All portable electric appliances are dangerous if abused. This machine will only operate on one voltage. Check the power supply to ensure it corresponds to the voltage as indicated on the rating label.

#### Make ure that the motor i witched off before you plug it into the power upply.

- 230v Always use a Residual Current Device ("RCD"), (earth leakage trip), plugged directly into the 230v socket. If using an extension cable, plug it directly into the RCD.
- 110v When using a portable transformer it must have a minimum output of 2.5kw and to continuous rated. Always use an RCD between the 230V supply and the portable transformer.

The symbols on the ON/OFF switch are 0 (Red) = OFF and I (Green) = ON in accordance with international standards.



#### WARNING

DO NOT use an extension cable between the transformer and the power supply. Always ensure that the cable between the 110v mixer and transformer is a minium length of 3 metres. Ensure cable is fitted with cable clip to the mixer frame at all times.

#### **EXTENSION CABLES**

If you need to use an extension cable it must be no longer than 30 metres (100 feet) in length. The wire section must be 1.5mm<sup>2</sup> on 230v and 2.5mm<sup>2</sup>

#### **GEARBOX**

The factory has preset the gearbox oil level. Before inspecting the gearbox oil level, make sure the gearbox is cold before removing the filler plug. Top up with EP90 or similar gear oil in the mix position to the level of the filler plug.

## **Service and Maintenance**



### **Mixing Hint**

#### Mix Ratio

The correct mix ratio (cement:sand:stone) depends on the type of application; harder concrete requires more cement, rougher applications require more aggregate. The ratios given below are guidelines: best proportions may depend on the quality of sand/stone used.

First put in the water - around 7 litres (1½ gallons), using more or less depending on the type of mix required. Add some aggregate before adding cement, to avoid sticking. Work consistently to the ratio of ingredients for whatever type of concrete mix you are working to.

#### Getting A Good Mix

The approximate mixing time for concrete is 2-4 minutes from when all the material (including the water) has been added - over-mixing can reduce strength and cause segregation of the coarser aggregates.

Beware of low grade aggregates; these will only lead to trouble later on with sinking and frost spoiling the appearance of the pour. Also do not get the concrete mix too wet as this can reduce strength and make it less able to withstand weathering.

#### **Looking After Your Mixer**

Never throw material into the mixer - trickle it steadily over the rim or it will stick firmly to the back of the drum and can only be dislodged by stopping the mixer.

Keep your mixer clean - material left in the drum will harden, and attract more on each use until the mixer is useless. Do not throw bricks into a mixer drum to clean it out. The best method is a mix of 1" (2½cm) gravel and clean water - use plenty of it, as this will do the job in half the time.

APPLICATIONS	QUANTITIES		
	CEMENT	SAND	STONE
MOST ORDINARY	1	2	4
FOUNDATIONS	1	3	6
ROUGH MASS CONCRETE	1	4	8
WATERTIGHT FLOORS, TANKS PITS ETC.	1	1.5	3



## Warranty

Your new Belle Group Minimix 150 is warranted to the original purchaser for a period of one-year (12 months) from the original date of purchase. The Belle Group warranty is against defects in design, materials an workmanship.

The following are not covered under the Belle Group warranty:

- Damage caused by abuse, misuse, dropping or other similar damage caused by or as a result of failure to follow assembly, operation or user maintenance instructions.
- 2. Alterations, additions or repairs carried out by persons other than Belle Group or their recognised agents.
- 3. Transportation or shipment costs to and from Belle Group or their recognised agents, for repair or assessment against a warranty claim, on any machine.
- 4. Materials and/or labour costs to renew, repair or replace components due to fair wear and tear.

The following components are not covered by warranty.

- Drive Belt
- Engine air filter
- Engine spark plug

Belle Group and/or their recognised agents, directors, employees or insurers will not be held liable for consequential or other damages, losses or expenses in connection with or by reason of or the inability to use the machine for any purpose.

#### **Warranty Claim**

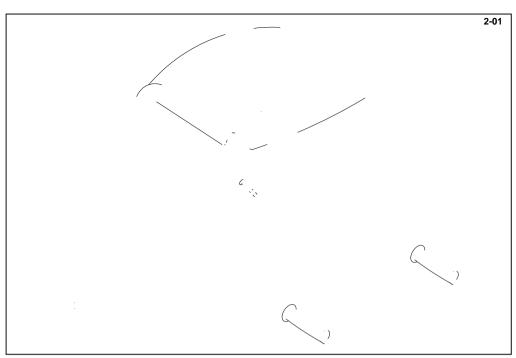
All warranty claims should firstly be directed to Belle Group, either by telephone, by Fax, by Email, or in writing.

#### For warranty claim:

Belle Group Warranty Department, Sheen, Nr. Buxton Derbyshire

SK17 0EU England.

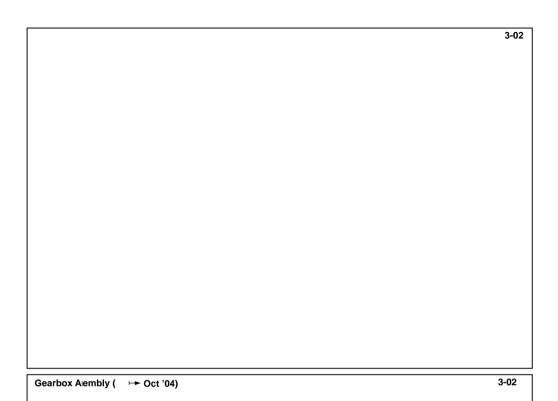
Tel: +44 (0)1298 84606, Fax: +44 (0)1298 84722 Email: warranty@belle-group.co.uk

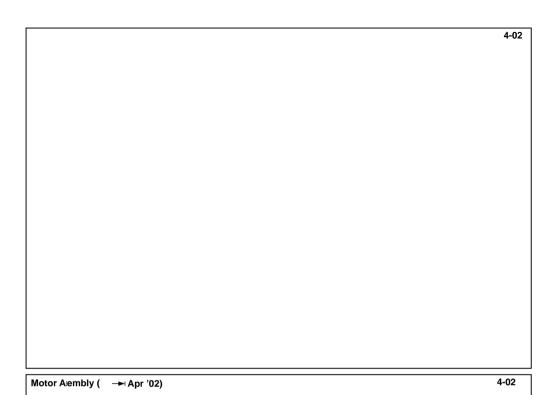


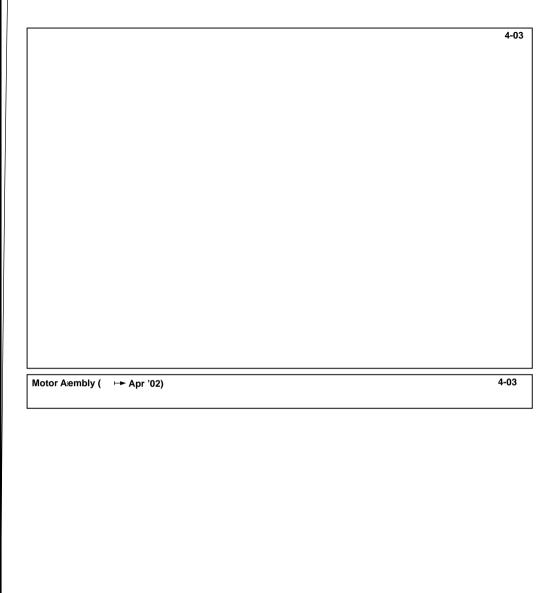
## Handle Assembly, Ensemble Poignée, Conjunto de Manillar, Conjunto do Punho 2-01

1	900/99914 Cover - Orange
1	900/99914G2 Cover - Green
1	900/99914R Cover - Red
1	900/99914GR2Cover - GreyCouvercle - GrisCubierta - GrisTampa - GreyMinimix
1	900/99930 Cover - Orange Couvercle - Orange
1	900/99930G2 Cover - Green Couvercle - Vert. Cubierta - Verde Tampa - Verde Easymix 1
1	900/99930R Cover - Red
1	900/99930GR2 Cover - Grey
2	900/25000 Handle - Orange Poignée - Orange Manillar - Naranja Punho - Arancione Honda / Electric 1
2	900/25000G2 Handle - Green Poignée - Vert. Manillar - Verde Punho - Verde Honda / Electric 1
2	900/25000R Handle - Red
2	900/25000GR2 Handle - Grey
2	900/37800 Handle - Orange Poignée - Orange Manillar - Naranja Punho - Arancione Robin 1
2	900/37800G2 Handle - Green Poignée - Vert. Manillar - Verde Punho - Verde Robin 1
2	900/37800R Handle - Red
2	900/37800GR2 Handle - Grey
3	XS35 Hand Grip Poignée Asas Punhos 2
4	900/99918 Clamp - Orange Serrage - Orange Mordaza - Naranja Grampo - Arancione 2
4	900/99918G2 Clamp - Green Serrage - Vert Mordaza - Verde Grampo - Verde
4	900/99918R Clamp - Red
4	900/99918GR2 Clamp - Grey
5	7/5017 Screw Vis Tornillo Parafuso 5.5 x 25 2
6	9/8021 Bolt Boulon Perno Perno M8 2
7	8/8001 Nut Ecrou Tuerca Porca M8 2
8	800/21300 Decal Etiquette Etiqueta Etiqueta
10	900/31700 Handle Assy - Orange Ens. Poigneé - Orange Cito de Manillar - Naranja Cito do Punho - Arancione Honda / Electric
10	900/31700G2 Handle Assy - Green Ens. Poigneé - Vert
10	900/31700R Handle Assy - Red Ens. Poigneé - Rouge Cito de Manillar - Roja Cito do Punho - VermelhoHonda / Electric
10	900/31700GR2 Handle Assy - Grey Ens. Poigneé - Gris

	3-01
Gearbox Alembly ( → Jul '99	3-01

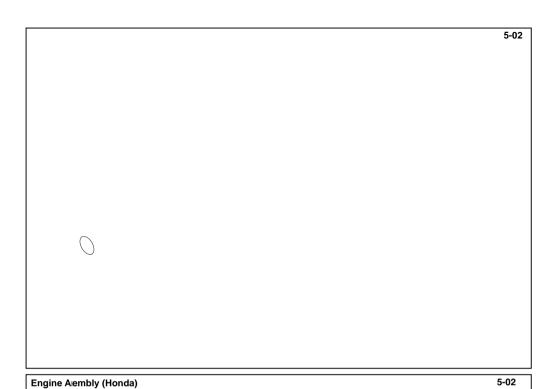






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12/09 22

Engine Alembly (Robin)

	5-04
Engine Aembly (Brigg & Stratton)	5-04

23 12/09

#### Belle Group Head Office

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GB.

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email: sales@belle-group.co.uk

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